

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An isolated structurally-constrained cyclic peptide, said cyclic peptide having consisting of an amino acid sequence of C1-A1-A2- (A3)_n-A4-A5-C2 (SEQ ID NO: 1), wherein

C1 and C2 are cysteines;

A1, A2, A3, A4, and A5 are naturally occurring L-amino acids;

A1 and A5 are independently amino acids W, Y, F, H, I, V, or T;

A2 is amino acid W;

A3 is any naturally occurring L-amino acid and n is an integer that is 3, 4, 5, 6, 7, or 8, 4;

A4 is amino acids W or L; and

C1 and C2 together form a disulfide bond thereby forming a cyclic peptide; the amino terminus of C1 is optionally protected with an amino protecting group; and the carboxy terminus of C2 is optionally protected with a carboxy protecting group; and wherein the cyclic peptide stabilizes a β -turn, β -hairpin, β -bulge, or γ -turn sequence.

2. (Previously Presented) The cyclic peptide of claim 1, wherein A1 or A5 is a β -branched residue having two non-hydrogen substituents on the β -carbon of the amino acid residue.

3. (Previously Presented) The cyclic peptide of claim 1, wherein A1 or A5 is T.

4-6. (Cancelled)

7. (Previously Presented) The cyclic peptide of claim 1, wherein A2 and A4 are W.

8-10. (Cancelled)

11. (Previously Presented) The cyclic peptide of claim 10, wherein (A3)₄ is EGNK, ENGK, QGSF or VWQL.

12. (Previously Presented) The cyclic peptide of claim 11, wherein A1 is T and A5 is T.

13-22. (Cancelled)

23. (Currently Amended) A fusion protein consisting of a structurally-constrained cyclic peptide, said cyclic peptide consists of the amino acid sequence X1-C1-A1-A2- (A3)_n-A4-A5-C2-X2, wherein

C1 and C2 are cysteines;

A1, A2, A3, A4, and A5 are naturally occurring L-amino acids;

A1 and A5 are independently amino acids W, Y, F, H, I, V, or T;

A2 and A4 are amino acid W;

A3 is any naturally occurring L-amino acid and n is an integer that is 3, 4, 5, 6, 7, or 8;

X1 and X2 each consists of any naturally occurring amino acid and each is independently a peptide of about 1 to 50 amino acids; and

C1 and C2 together form a disulfide bond ~~thereby forming a cyclic peptide; the carboxy terminus of C1 is optionally protected with a carboxy protecting group, and the amino terminus of C2 is optionally protected with an amino protecting group~~, and wherein the cyclic peptide stabilizes a β -turn, β -hairpin, β -bulge, or γ -turn sequence.

24-29. (Cancelled)

30. (Previously Presented) The cyclic peptide of claim 23, wherein A1 or A5 is T.

31. (Previously Presented) The cyclic peptide of claim 23, wherein A2 and A4 are W.

32-33. (Cancelled)

34. (Previously Presented) The cyclic peptide of claim 23, wherein (A3)₄ is EGNK, ENGK, QGSF or VWQL.
35. (Previously Presented) The cyclic peptide library of claim 34, wherein A1 is T and A5 is T.